

cultivating the plant in the growth environment under conditions and for a time sufficient for the plant to accumulate a nutritionally significant amount of Se-methylselenocysteine in its edible portions;

and harvesting edible portions of the plant which comprise accumulated Se-methylselenocysteine.

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2. (Amended) The method of claim 1, where the growth environment contains Se-methylselenocysteine.

3. (Amended) The method of claim 1, where identifying the growth environment includes manipulating the growth environment to increase the availability of Se-methylselenocysteine to the plant.

4. (Amended) The method of claim 3, where manipulating the growth environment includes adding Se-methylselenocysteine to the growth environment.

7. (Amended) The method of claim 6, where the plant is a member of the species *Brassica juncea*, *Brassica oleracea*, or *Brassica carinata*.

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48. (Amended) A method of providing a nutritional supplement, comprising:
providing a plant that contains Se-methylselenocysteine in its edible portions; and
incorporating the plant into a nutritional supplement.

Remarks

Responsive to the Office Action of June 6, 2002 (Paper Number 10), Applicant respectfully requests examination and reconsideration of the claims in the present case, as amended. At the time the Office Action was prepared, claims 1-7, 9, 22, and 48 were pending in the application. Claims 1-4, 7, and 48 are amended in the present Response and claim 22 is cancelled without prejudice.

Below, Applicant responds to each of the rejections and requirements made by the Examiner in the above-mentioned Office Action.